

Having thus described the invention, what is claimed is:

Claim 1: A mobile communication device comprising:

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(a) a base element;

(b) at least one functional element mounted for reciprocal  
movement on said base element between retracted and extended  
10 positions; and

(c) a cover element having upper and lower faces, said  
cover element mounted to said base element for relative movement  
thereto between closed and opened positions and adapted to move  
15 said at least one functional element between the retracted and  
extended positions during relative movement of said cover element  
between the closed and opened positions.

Claim 2: A mobile communication device in accordance with  
20 claim 1, wherein said at least one functional element is exposed  
for operative use in the opened and extended positions and said  
cover element and said at least one functional element are in  
overlapping alignment in the closed and retracted positions.

Claim 3: A mobile communication device in accordance with claim 1, wherein said cover element is a swivelable cover element rotatably mounted on said base element.

5        Claim 4: A mobile communication device in accordance with claim 3, wherein said swivelable cover element is rotatably mounted on said base element around an axis extending generally perpendicular to said upper and lower faces thereof.

10        Claim 5: A mobile communication device in accordance with claim 1, wherein said swivelable cover element is rotatably mounted on said base element around an axis extending generally perpendicular to the reciprocal movement of said at least one functional element.

15        Claim 6: A mobile communication device in accordance with claim 5, wherein said cover element is rotated 90 degrees between the closed and opened positions.

20        Claim 7: A mobile communication device in accordance with claim 1, wherein said cover element is rotated 90 degrees between the closed and opened positions.

25        Claim 8: A mobile communication device in accordance with claim 1, wherein one of said cover element and said at least one

functional element defines at least one eccentric groove and the other of said cover element and said at least one functional element has at least one pin captured in the eccentric groove, whereby mechanical interaction of said at least one pin within  
5 said at least one groove during relative movement of said cover element to said base element between the closed and opened positions moves said at least one functional element between the retracted and extended positions.

10        Claim 9:    A mobile communication device in accordance with claim 8, wherein said at least one groove is defined in said cover element and said at least one pin is located on said at least one functional element.

15        Claim 10:    A mobile communication device in accordance with claim 1, wherein said at least one functional element is slidably received in at least one channel in said base element for reciprocal movement, whereby said cover element and said at least one functional element mechanically interact during relative  
20 movement of said cover element to said base element between the closed and opened positions to move said at least one functional element between the retracted and extended positions.

          Claim 11:    A mobile communication device in accordance with  
25 claim 10, wherein said cover element has at least one roller

thereon which engages said at least one functional element during relative movement of said cover element to said base element between the closed and opened positions to move said at least one functional element between the retracted and extended positions.

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Claim 12: A mobile communication device in accordance with claim 11, wherein said at least one functional element has at least one tension spring element to bias said at least one functional element against said at least one roller as said at  
10 least one functional element is moved between the retracted and extended positions during relative movement of said cover element to said base element between the closed and opened positions.

Claim 13: A mobile communication device in accordance with  
15 claim 12, wherein said at least one functional element has at least one groove into which said at least one roller is captured in the opened and extended positions.

Claim 14: A mobile communication device in accordance with  
20 claim 11, wherein said at least one functional element has at least one groove into which said at least one roller is captured in the opened and extended positions.

Claim 15: A mobile communication device in accordance with  
25 claim 10, wherein said at least one functional element has at

least one tension spring element to bias said at least one functional element against said cover element as said at least one functional element is moved between the retracted and extended positions during relative movement of said cover element to said base element between the closed and opened positions.

Claim 16: A mobile communication device in accordance with claim 1, wherein said at least one functional element has at least one tension spring element to bias said at least one functional element against said cover element as said at least one functional element is moved between the retracted and extended positions during relative movement of said cover element to said base element between the closed and opened positions.

Claim 17: A mobile communication device in accordance with claim 1, further including a screen constructed in the upper face of said cover element to provide a visible display of information to the user.

Claim 18: A mobile communication device in accordance with claim 1, wherein said at least one functional element is a function keyboard.

Claim 19: A mobile communication device in accordance with claim 18, wherein said function keyboard is constructed in two

portions, each mounted for reciprocal movement on said base element between retracted and extended positions, each of said function keyboard portions having an array of keys consistent with a selected function.

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Claim 20: A mobile communication device in accordance with claim 19, wherein said two portions of said function keyboard move away from each other during movement from the retracted position to the extended position and toward each other during  
10 movement from the extended position to the retracted position.

Claim 21: A mobile communication device in accordance with claim 19, wherein said two portions are on opposite sides of said cover element in the opened and extended positions.

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Claim 22: A mobile communication device in accordance with claim 18, wherein said function keyboard is exposed for operative use in the opened and extended positions and said cover element and said function keyboard are in overlapping alignment in the  
20 closed and retracted positions.

Claim 23: A mobile communication device in accordance with claim 18, wherein said function keyboard comprises a full function QWERTY key array split between the two portions.

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Claim 24: A mobile communication device in accordance with claim 18, wherein said function keyboard has an array of keys consistent with selected functions, said array of keys are offset to prevent interference between said array of keys and said cover  
5 element in the closed and retracted positions.

Claim 25: A mobile communication device in accordance with claim 1, further comprising a communication keypad constructed on said upper face of said cover element, said keypad being exposed  
10 for operative use in the closed and opened positions.